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MODIFICATION INSTRUCTIONS
for the
Kodak X-Omat MULTILOADER 300
Service Code: 3058
Modification No. 35

Kodak X-Omat 270 RA PROCESSOR
Service Code: 3059
Modification No. 21

Kodak X-Omat 180 LP and 180 LPS PROCESSORS
Service Codes: 3227, 3198
Modification No. 8
Type 1 Selective

Purpose: To improve the reliability of the PROCESSOR by:

- moving the connections for the DRYER OVER-TEMPERATURE and the DRYER THERMISTOR to outside of the TANK, to reduce corrosion of the CONNECTORS
- installing a new YOKE AND PIN ASSEMBLY, to minimize the possibility of diluting the fixer
- installing plastic SPROCKETS in the DRYER RACK, to eliminate corrosion of the SPROCKETS

HEALTH IMAGING

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Note

Some of the PROCESSORS in the serial number range will already have the plastic SPROCKETS installed. It is not necessary to install the new SPROCKETS from the Kit in these PROCESSORS.

Important

Use qualified service personnel to install this modification.

PLEASE NOTE The information contained herein is based on the experience and knowledge relating to the subject matter gained by Eastman Kodak Company prior to publication.

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This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

Service Effects: See the table below for the new part descriptions and numbers.

Special Requirements: Some of the existing SPROCKETS may be so corroded that you could cause damage to the SHAFT of the SQUEEGEE DRIVE ROLLER when you remove the SPROCKET. To avoid another service call and lost time, have a new SQUEEGEE DRIVE ROLLER with you. The part numbers are:

270 RA PROCESSOR or MULTILOADER 300	1C0985
180 LP or 180 LPS PROCESSOR	8B7110

NOTE: When you order one of the above ROLLERS, you will receive Kit No. 9B8087. This Kit includes the new improved SQUEEGEE ROLLER 8B7110 and the parts and instructions to install it.

Serial Numbers:

270 RA PROCESSOR	All
MULTILOADER 300	101 - 1499 (Serial No. is for the Processor)
180 LP PROCESSOR	101 - 3399
180 LPS PROCESSOR	10,001 - 13,199

Special Tools: TL-2020 CRIMPING TOOL (or the equivalent)
TL-2275 WIRE STRIPPING TOOL (or the equivalent)

Installation Time: Approximately 1.5 hours

Parts Status: Available from Service Parts Management

Parts Requirements: See the Parts List below

Table 1 Modification Kit 9B8368 includes:

Part No.	Description	Quantity
9B8352	THERMOSTAT - OVER-TEMPERATURE	1
9B8353	THERMISTOR - DRYER	1
331083	SPLICE - CLOSED-END	5
8B7389	YOKE AND PIN ASSEMBLY	1
8B7109	SPROCKET	4
8B7489	Mod Instructions	1

Preliminary Steps

[1] De-energize the PROCESSOR or MULTILOADER.

[2] Move the main wall CIRCUIT BREAKER to “OFF”.

[3] For the 180 LP, 180 LPS, and 270 RA PROCESSORS only:

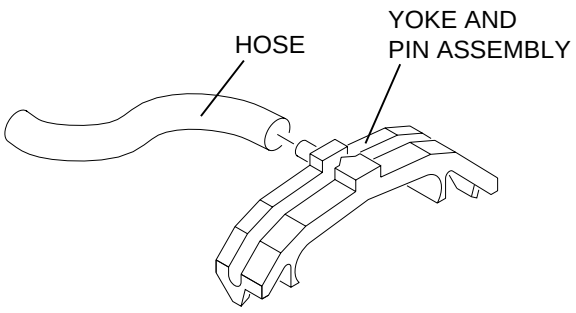
- Lift the TOP COVER.
- Remove:
  - NONDRIVE SIDE PANEL
  - DRYER END PANEL (180) or the EXIT PANEL (270)
  - WET SECTION COVER
  - TOP EXIT RACK

[4] For the MULTILOADER 300 only:

- Extend the PROCESSOR from the MULTILOADER.
- Remove:
  - front PROCESSOR PANEL
  - NONDRIVE SIDE SAFETY SHIELD
  - WET SECTION COVER

[5] Remove the DRYER RACK.

Installing the New YOKE AND PIN ASSEMBLY on the WASH RACK



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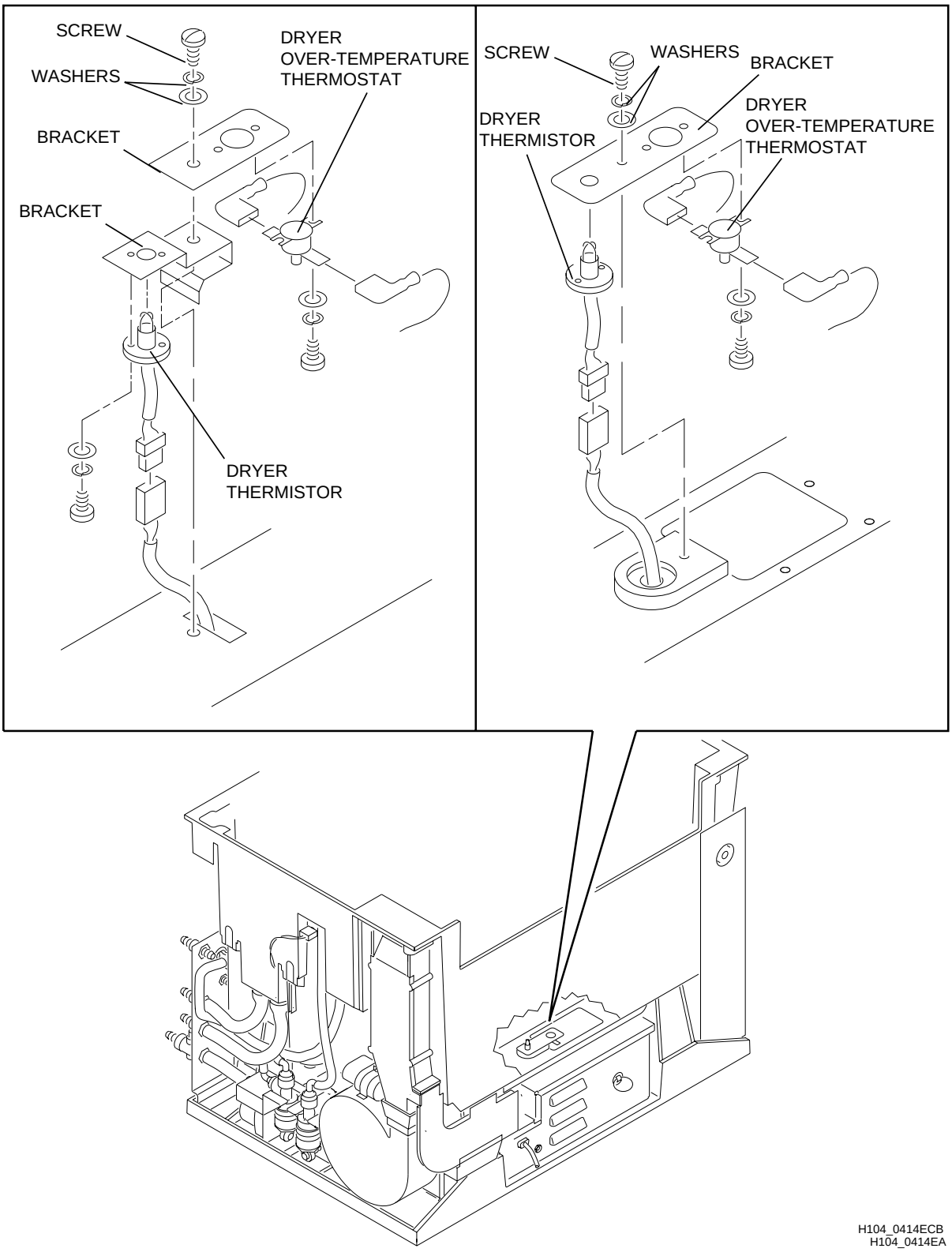
[1] Remove the existing YOKE AND PIN ASSEMBLY from the HOSE. Discard the YOKE AND PIN ASSEMBLY.

[2] Install the new YOKE AND PIN ASSEMBLY on the HOSE and then on the CROSSOVERS.

Installing the New DRYER THERMISTOR and OVER-TEMPERATURE THERMOSTAT



Note

PROCESSORS can have 1 of 2 styles of BRACKETS. See the figure above that matches your PROCESSOR.

[1] Remove the BRACKET(S) for the DRYER THERMISTOR and the DRYER OVER-TEMPERATURE THERMOSTAT from the PROCESSOR.

[2] Remove the DRYER THERMISTOR and the DRYER OVER-TEMPERATURE THERMOSTAT from the BRACKET(S).

[3] Disconnect the wires from the DRYER OVER-TEMPERATURE THERMOSTAT. Discard the THERMOSTAT.

[4] Disconnect the DRYER THERMISTOR at the CONNECTOR. To free the wires, cut any TIE WRAPS necessary Discard the THERMISTOR.

[5] Remove the DRYER BLOWER ASSEMBLY from the PROCESSOR.

(a) Remove the 3 SCREWS.

(b) Bend the BLOWER SLEEVE down to release the BLOWER ASSEMBLY from the PLENUM.

[6] From the nondrive side of the PROCESSOR, pull the wires for the DRYER OVER-TEMPERATURE and the DRYER THERMISOR outside the TANK.

[7] Prepare the new wires. See the figure below.

(a) Cut the CONNECTOR from the new DRYER OVER-TEMPERATURE THERMOSTAT. Discard the CONNECTOR.

(b) Remove approximately 4 cm (1½ in.) of the OUTER CASING from around the wires.

(c) Remove approximately 5 mm (¼ in.) of the insulation from the wires.

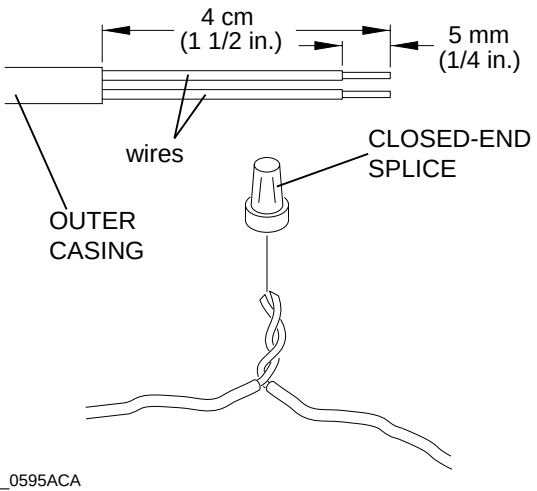
(d) Do Steps (a), (b), and (c) for the DRYER THERMISOR.

[8] Install the new DRYER THERMISTOR and the DRYER OVER-TEMPERATURE THERMOSTAT to the BRACKET(S). Use the SCREW(S) and WASHER(S) from Step 2 above.

[9] Route the wires for the new DRYER THERMISTOR and DRYER OVER-TEMPERATURE THERMOSTAT from inside the TANK to outside.

[10] Install the BRACKET(S) on the TANK. Use the SCREW and WASHERS from Step 1 on Page 4.

Connecting the New DRYER OVER-TEMPERATURE THERMOSTAT



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Note

Do the following steps outside the TANK, on the nondrive side of the PROCESSOR.

[1] Prepare the existing wires.

(a) Cut approximately 28 cm (11 in.) from the existing wires for the DRYER OVER-TEMPERATURE THERMOSTAT.

(b) Remove approximately 4 cm (1½ in.) of the OUTER CASING from around the wires.

(c) Remove approximately 5 mm (¼ in.) of the insulation from the wires.

[2] Connect the new wires to the existing wires.

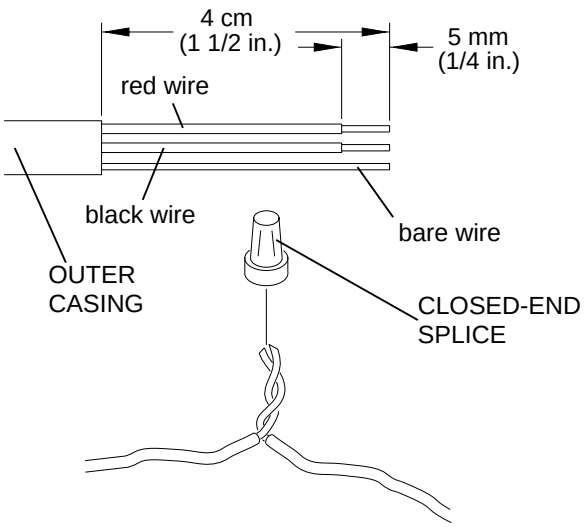
(a) Twist the end of one of the existing wires around the end of one of the wires coming from the new DRYER OVER-TEMPERATURE THERMOSTAT.

(b) Insert the twisted wire ends into one of the CLOSED-END SPLICES from the Mod Kit. Use TL-2020 (or the equivalent) to close the SPLICE.

[3] Do Step 2 for the other wire.

[4] Move the wires to positions that will not have contact with moving parts or be compressed by the PANELS.

Connecting the New DRYER THERMISTOR



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[1] Prepare the wires for the new DRYER THERMISTOR. See Step 1 on Page 5.

[2] Twist together each pair of wires, insert into a CLOSED-END SPLICE, and close the SPLICE:

- 2 red wires
- 2 black wires
- 2 bare ground wires

Note

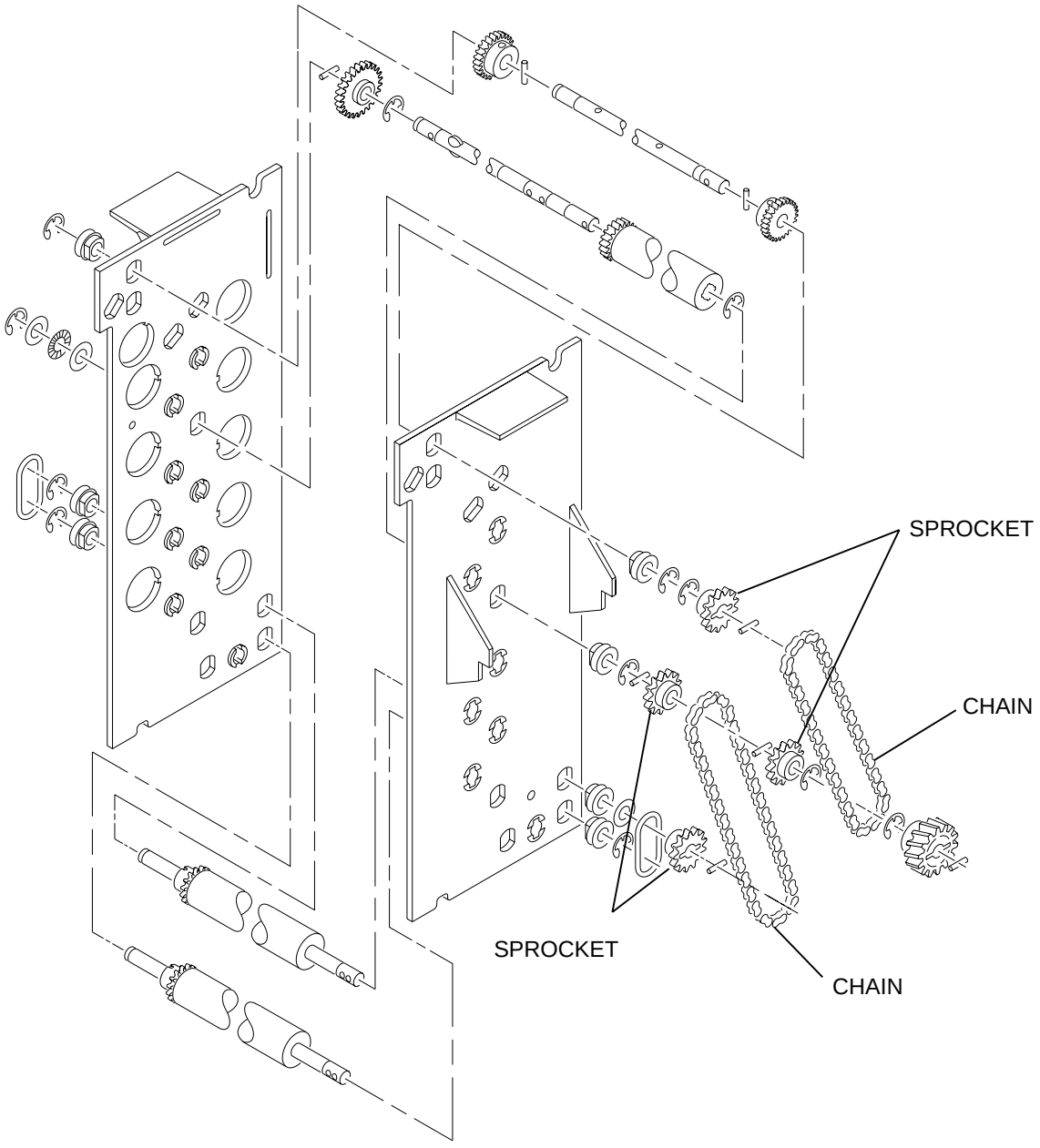
The bare ground wires do not need insulation.

[3] Move the wires to positions that will not have contact with moving parts or be compressed by the DRYER BLOWER.

[4] Install the DRYER BLOWER in the PROCESSOR.

[5] Check that the BLOWER SLEEVE is in the correct position, and no leakage of air occurs.

Installing the New Plastic SPROCKETS in a 270 RA PROCESSOR or a MULTILOADER 300



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Note

- Some of the PROCESSORS in the serial number range will already have the plastic SPROCKETS installed. It is not necessary to install the new SPROCKETS in these PROCESSORS.
- See Page 8 to install new SPROCKETS in a 180 LP or 180 LPS PROCESSOR.

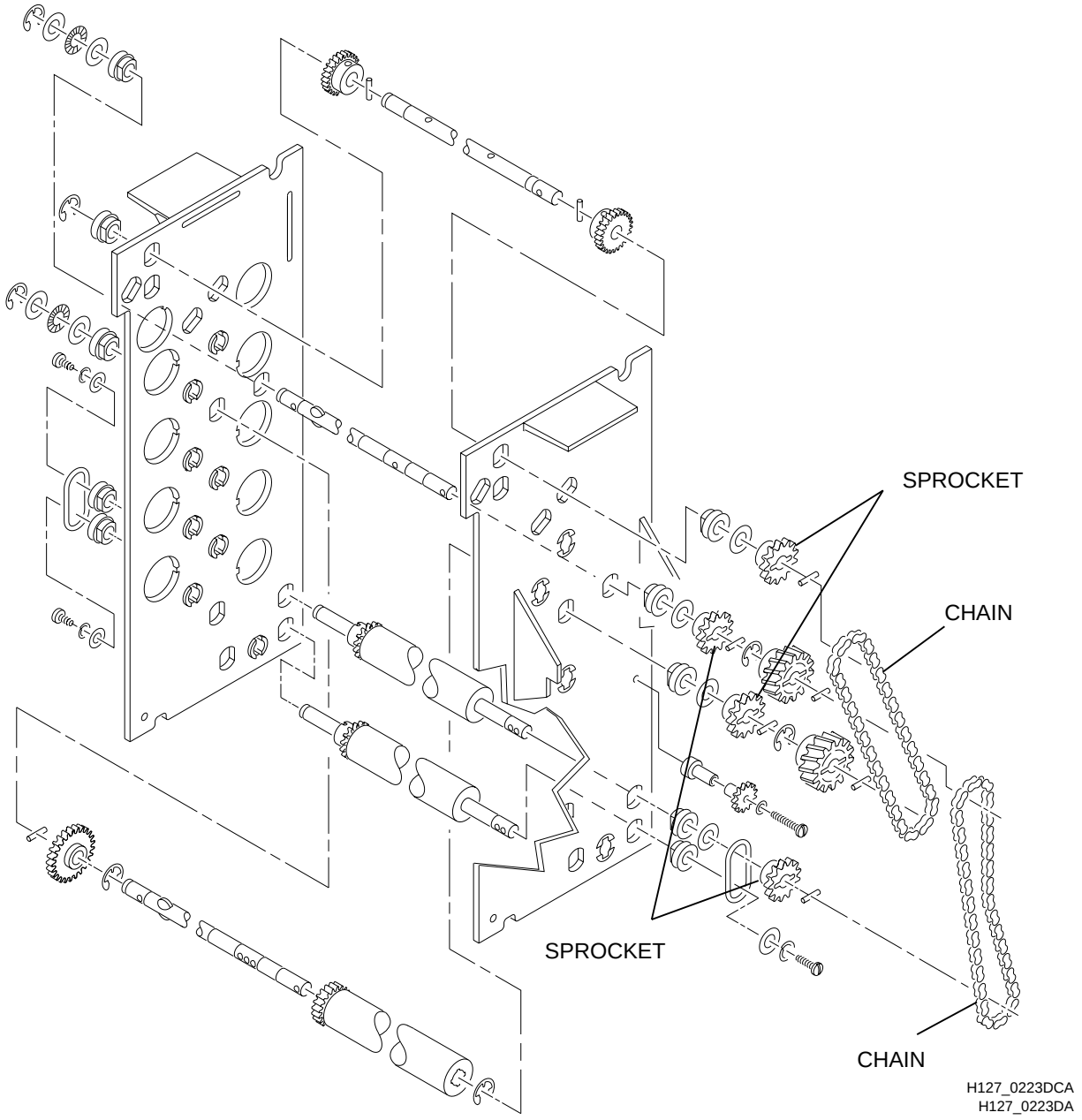
[1] Install the 4 new plastic SPROCKETS for the CHAINS in the DRYER RACK. See the figure above.

[2] Install the DRYER RACK in the PROCESSOR.

[3] In the 270 RA PROCESSOR only, install the TOP EXIT RACK.

[4] Advance to Page 9.

Installing the New Plastic SPROCKETS in a 180 LP or 180 LPS PROCESSOR



Note

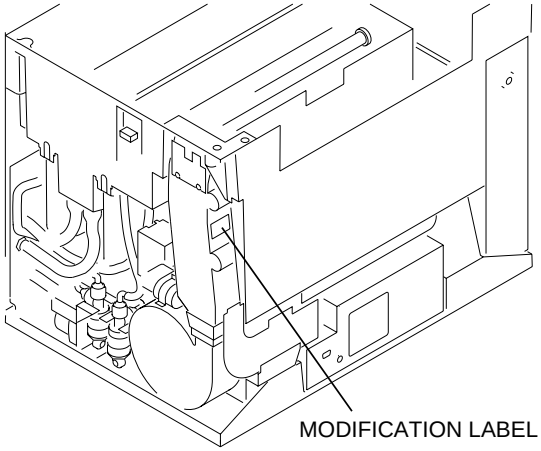
- Some of the PROCESSORS in the serial number range will already have the plastic SPROCKETS installed. It is not necessary to install the new SPROCKETS in these PROCESSORS.
- See Page 7 to install new SPROCKETS in a 270 RA PROCESSOR or a MULTILOADER 300.

[1] Install the 4 new plastic SPROCKETS for the CHAINS in the DRYER RACK. See the figure above.

[2] Advance to Page 10.

Final Steps

Figure 1 **270 RA PROCESSORS**



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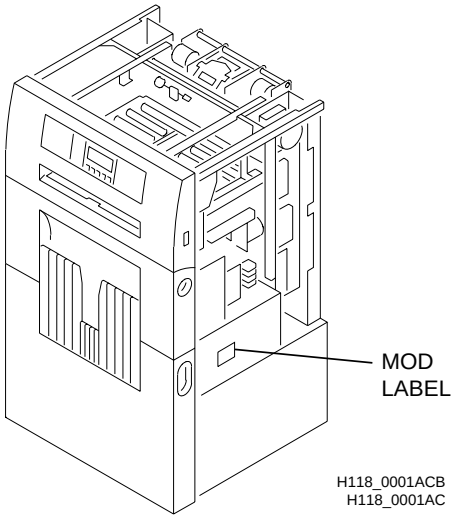
[1] For the 270 RA PROCESSOR only:

(a) Circle the “21” on the MODIFICATION LABEL. Use permanent ink.

(b) Install the WET SECTION COVER.

Circle the “21” on 270 RA PROCESSORS.

Figure 2 **MULTILOADERS 300 with Serial No. 1369 and Below**



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[2] For the MULTILOADER 300 only:

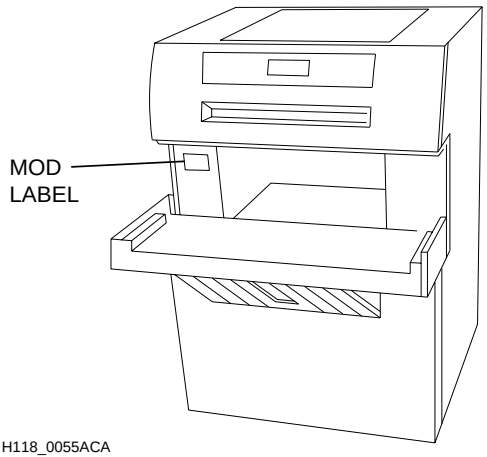
(a) Circle the “35” on the MOD LABEL. Use permanent ink.

- On MULTILOADERS Serial No. 1369 and below, see Figure 2.
- On MULTILOADERS Serial No. 1370 and above, the MOD LABEL is inside the MAGAZINE DOOR. See Figure 3.

(b) Install:

- WET SECTION COVER
- SAFETY SHIELD

Figure 3 **MULTILOADERS 300 with Serial No. 1370 and Above**



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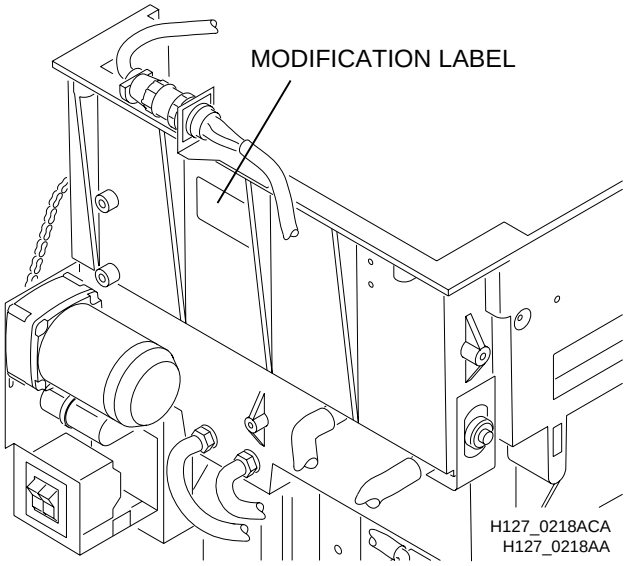
Circle the “35” on MULTILOADERS.

Figure 4 **180 LP or 180 LPS PROCESSORS**



[3] For the 180 LP or 180 LPS PROCESSOR only:

(a) Remove the DRIVE SIDE PANEL.

(b) Circle the "8" on the MODIFICATION LABEL. Use permanent ink.

Circle the "8" on 180 LP and 180 LPS PROCESSORS.

(c) Install:

- DRYER RACK
- TOP EXIT RACK
- WET SECTION COVER

[4] For all PROCESSORS:

(a) Install the PANELS.

(b) Close the TOP COVER, or move the PROCESSOR into the MULTILOADER.

(c) Move the main wall CIRCUIT BREAKER to "ON".

(d) Energize the PROCESSOR.

(e) Check for correct operation of the PROCESSOR.

Publication History

Print Date	Pub. No.	ECO No.	Affected Pages	File Name	Notes
SEP96	8B7489	2619-143	All	ma3058_35_01sep96.doc	New Modification Instructions.
01MAY97	8B7489	2619-143	All	ma3058_35_01may97.doc	Revision.

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